

THE TECH

VOL. XXIX. NO. 106.

BOSTON, MASS., FRIDAY, MARCH 4, 1910

PRICE ONE CENT

RELAY TEAM TO RUN AT MADISON SQUARE

Team Will Be Same As In B. A.
A. Meet--Run March
12th

Yesterday at the Gym. W. C. Salisbury, P. D. White, H. Lockett and L. O. Mills qualified for the one-mile relay team which will run at the Madison Square Garden, New York, on Saturday, March 12th, in the Columbia University relay carnival.

Technology's team was last year placed in with Harvard, Amherst, Brown Columbia, John Hopkins and Wesleyan. Manager Benson has not yet received word as to what teams will run against Tech, but the Institute men will probably be placed in with the same class of teams as heretofore. The team lost the race to Harvard last year owing to a mix-up in which Karl Fernstrom fell. His lost distance could not be regained and Capt. Gram, running for Technology crossed the line a fifth of a lap behind.

FACTORY ACCOUNTING

Office Method And Cost Control
Explained By M. C. Whitaker

The second of the series of three lectures on factory management was delivered yesterday by Mr. Whitaker before an audience which was even larger than the day before. The talk was particularly interesting because Mr. Whitaker took up in great detail the methods of figuring costs and of keeping an effective control over the expenses.

In connection with the calculating of costs in a manufacturing business, Mr. Whitaker expressed it as his opinion that this work should not be done by firms of expert accountants. The engineers and factory men are so well acquainted with the details of the business that they are better qualified than the expert accountants to work out the factory cost of a definite unit of the article manufactured. The confidential cost, that is the factory cost per unit plus the cost due to managers' and president's salary, etc., is kept separate from the general book-keeping because it is unwise to have this information too widely disseminated.

The total cost of an article may be analyzed into four items:

1. Material.
2. Labor (Direct and Indirect).
3. Expense.
4. General Expense (Fixed charges).

The cost of material is calculated by means of the store and order system explained in the first lecture, and can be obtained with great accuracy. The cost of direct labor, that is, labor directly producing goods, is obtained by a combination system of work-tickets and time-clocks. Indirect labor, such as janitor work, is kept account of in much the same way, and is charged up to the department in which the work is performed.

Mr. Whitaker's method of controlling the incidental expenses is unique. The head of each department is charged up with all the money he spends for incidentals, and at the end of the month he receives a statement of the separate items and of the total money spent in his department. As he has complete control over these incidental expenses his salary is largely determined by the effectiveness with which he keeps them down. The Weisbach Co. saved by this method \$35,000 in the first year it was installed.

C. E. TRULL ELECTED FRESHMEN TRACK CAPTAIN

1913 Leader Is Star In Dashes
---Team Meets Lowell
Tomorrow

C. E. Trull has been elected captain of the Freshmen track team. Trull prepared for the Institute at Woburn High School where he was interested in all athletics, especially football, on which team he played in his senior year.

Upon entering Tech he at once went out for track work and soon made the Freshmen relay team, which won from 1912 on Field Day. He carried off first in the 100-yard dash at the fall handicap meet. In the Freshman indoor meet two weeks ago he was the first in the 35-yard dash and second in the hurdles. Last Saturday, in the under-class meet, he won second place in the 35-yard dash.

Tomorrow Capt. Trull will take his team to Lowell, where they will hold a meet with Lowell Textile. Lowell has a well-developed squad and with the meet held on their own floor, the peculiarities of which the Tech men are unfamiliar with, the Textile School has much in its favor.

CROSS COUNTRY

First Run Of The Season Will
Be From Gym Saturday P. M.

The first run of the season will be from the Gym. on Saturday at 3 P. M. The course will be short and the pace easy so that all new men will have a show.

The Inter-Course race and the Freshman-Sophomore race come off early in the spring so that it is necessary for all the men to come out and get in trim as soon as possible. For the run Saturday use running shoes without spikes, and also bring a light jersey to wear with the regular running suit.

CHESS MATCH IN UNION

On Saturday afternoon S. M. Schmidt 1911, captain of the Chess team, will play a simultaneous chess match against all comers in the Union. Mr. Schmidt is one of the best players in the Institute, and some time ago played a similar match winning five out of six games.

When interviewed, Mr. Schmidt said that since the recent victory over Brown on Saturday, he hoped that more men in the Institute would show interest in the game than has been the case during the first term, and desired that a large number take part in the simultaneous match. It is expected that several more matches with other colleges will be arranged shortly, including a six-board match with Harvard, and every one is invited to try for the team.

Philadelphia, Mar. 4.—Under an old law the common pleas courts of Philadelphia may be called upon to end the trolley strike. Mayor Reyburn announced this afternoon that an act had been found which it is believed gives the country courts power to take steps to have differences existing between public service corporations and their men adjusted. The mayor further stated that he will not recommend action by city council this afternoon, but will call attention to this old law.

TECH SHOW DANCES PROGRESSING RAPIDLY

Strenuous Rehearsals Under
Coach Francis Are Showing
Results

It's "coats off" now with a vengeance. For the short time that Mr. Francis has the chorus in charge each week, he gives the men little rest, and incidentally doesn't do much in that line himself. After each rehearsal certain individuals may be seen carefully looking themselves over to find out how much there is left after those lightning piroettes, while others travel slowly to the scales to ascertain how much dinner must be eaten to make up for the afternoon's loss of weight. Mr. Francis' "ensemble" ceases to wonder why the coach has such a minute circumference.

This year's dances are snappy and appropriate, fitting the music, barbaric scenery and costumes to perfection. The introductory chorus to the second act, in particular, has a dance which, with the stage setting, ought to give any one thrills. Now that the first cut has been made the men are getting into the spirit of the work with all their might in an endeavor to live through the second cut. This earnestness helps more than anything else and it is remarkable to see how short a time it takes to master a new step. First several bars of the music are played while Coach Francis goes through a few antics. Then he takes one or two puffs at his cigarette while he glares at the floor. Finally he singles out some poor unoffending creature in the front row as a leader, dances around the room with him in tow, and in a few minutes another dance is learned.

ARCHITECTS COMPETE

Preliminary Examination For
"Paris Prize" On Saturday

This Saturday the majority of the upper-classmen of Course IV. and architectural students throughout the country will take the preliminary examination for the "Paris Prize." This examination will consist of a twelve-hour competition "en loge." From this about twenty men will be picked who go into a twenty-four hour semi-final competition, and from the latter four men will be chosen who go into the final competition, which lasts about two weeks. The winner has all expenses paid for two years' study in Europe. The Prize is valued at \$2500. The three unsuccessful competitors each receive \$100.

The fourth year students are approaching the finish of the "Boston Society of Architects Prize Problem." The problem they are working on is the design of an entrance to a church of a certain importance, using either the gothic or romanesque style of architecture as it existed not later than the end of the thirteenth century. Most of the men will finish pencilings this week, leaving until 5 P. M. on next Friday in which to put their drawing in its final shape. Two \$50 prizes are to be awarded: one to the regular student handling in the best design and the other to the winning special student.

Washington, March 4.—President Taft yesterday issued a proclamation extending to Austria-Hungary the minimum tariff rates of the Payne-Aldrich act.

SWAIN WILL DISCUSS FORESTS AND FLOODS

Former Institute Professor Is
Government Expert On
Subject

Professor George F. Swain has announced as the subject of his talk at the Union tonight "Forests and Floods." This is one of the greatest problems of the present day and one that must be thoroughly understood by the engineers of the future. Professor Swain is now in charge of the course in civil engineering at the Harvard Graduate School of Applied Science. Until last June he was at the head of the civil and sanitary courses here at the Institute. He is universally admitted to be one of the ablest engineers of the country and is known the world over on account of his many services both to the government and to the state. Professor Swain has been particularly active in all matters connected with the conservation of our natural resources, and has often been consulted by the government as expert on these matters. In fact, he has just returned from Washington where he has been active as an expert in the Pinchot controversy. All Institute men need hardly to be urged to come and listen to such a timely and important discussion by one of the highest authorities in the country.

TRACK DATES ANNOUNCED

Manager Benson of the track team has announced the following dates of track events for the spring season:

April 9.—Inter-course Cross-country Race.

April 16.—1912-1913 Dual Track Meet.

April 23.—Annual Spring Inter-Class Meet.

April 30.—Penn. Relay Carnival.

April 30.—Varsity Handicap Meet.

May 7.—Wesleyan Meet.

May 20-21.—N. E. Intercollegiates.

May 27-28.—I. C. A. A. A. Meet.

The Sophomore-Freshman cross-country race will be on either the twenty-third or the thirtieth of April

Bluesfields, March 4.—The insurrectionary movement, headed by Gen. Estrada, against the Nicaraguan government, has been practically crushed, and nothing is left to the provisionals but a guerilla warfare encouraged by the desperate hope that the United States may yet intervent.

There is still talk of a new republic comprising the eastern half of Nicaragua. Gen. Estrada may proclaim such a republic and appeal to the United States to protect it.

The destructive blow fell at Tisma on Feb. 22, when Gen. Chamorro was whipped to a standstill.

CALENDAR

Friday, March 4.

4.00—Wireless Society Meets—11 Eng. B

4.00—Gym Team Practice—Gym.

4.00—1912 Battery Practice—Gym.

4.30—Technique Board Meets—Eng. B.

8.00—Union Entertainment. Professor George F. Swain will be the speaker.

Saturday, March 5.

2.00—Cross-country practice run from Gym.

8.00—Track: 1913 vs. Lowell Textile at Lowell.

8.00—Brookline H. S. Club at home of L. G. Glazier, Brookline.

Prof. Swain Will Speak at Tech Union Tonight

THE TECH

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BOSTON, MASS., MARCH 4, 1910.

The first cross country run of the season is scheduled for Saturday afternoon. Men cannot be urged too strongly to come out for this race. In past years the Inter-Course and Sophomore-Freshmen races have been interesting events. They have received good support from the students. Weather conditions on Saturday promise to be ideal for cross-country work. Now is the time to come out. The first race will be short and the pace easy. Come out and make a try for the team.

GENERAL NEWS

TELEGRAPH NEWS OF THE MORNING.

WEATHER REPORT.

Washington, Mar. 4.—Fair today; light west to southwest winds.

Boston, Mar. 4.—Spring has come. No—but it's on the way. The "Beautiful Boylston Blonde" was out in force yesterday. The first crocus is up in Rockland. Pansies in full bloom were picked yesterday in Portsmouth, N. H. Budding pussy willows, flourishing green dandelions were seen at Eliot, Maine. Robins have arrived at Palm Beach.

Several more witnesses appeared at the court house today to tell Dist.-Atty. Pelletier what they know of the faro bank gang whose alleged swindle of \$40,000 from George W. Coleman, the young Cambridge bank looter, inaugurated one of the biggest probes ever started in the district attorney's office.

U. S. Dist.-Atty. French has started the secret service men on the case, and rumors are current in the Federal building that arrests will be made soon. Assistance is assured from the New York officials, where all the bunco games are alleged to have taken place.

The police yesterday began a search for "Diamond Charley" Bostwick, who is declared to be the real leader of the Boston "Bunco Syndicate."

Bostwick is an entirely new figure in the case. He is the man who engineered the game with Martin Walsh.

Ottawa, March 4.—Negotiations between representatives of the Canadian and United States governments, with reference to the tariff question, were begun here yesterday.

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Everett, Wash., Mar. 4.—It is now almost certain that the dead in the avalanche that carried away two Great Northern trains and seven steam and electric locomotives will total 84. Few believe that any of the 67 listed as missing will be found alive for it is now more than 48 hours since they were buried beneath the tons of snow and ice and twisted wreckage that swept over the ledge and dropped in a heap to the bottom of the canyon 200 feet below.

New York, Mar. 4.—Louis Paulhan, the French aviator, has arrived here with two assistants, 11 mechanics and two express cars loaded with monoplanes and biplanes. He says he will give flights in the neighborhood of New York within 10 days, despite the proceedings brought against him by the Wright Brothers.

Cambridge, Mar. 4.—The Harvard Aeronautical Society is now incorporated under the laws of Massachusetts and officially affiliated with the Aero Club of North America. Through this affiliation the members of the society will be able to secure pilot licenses, enter all contests held by the Aero Club in the United States and enter international federation meets in any country in Europe.

Augusta, Ga., Mar. 4.—Tyrus Cobb received and signed his contract with the Detroit American League Baseball club yesterday. Cobb's contract calls for a salary of \$9000 annually for three years.

Lewiston, Me., Mar. 4.—An attempt to ascend by a new route the hitherto unclimbed Alaskan peak, Mt. McKinley, which Dr. Frederick A. Cook said he had conquered, is to be made this spring by a party led by Prof. Herschel C. Parker of Columbia University.

Eastport, Me., Mar. 4.—The bones of the Donaldson line steamer Hestia, which was lost with 39 of her crew on Old Proprietor Ledge, Grand Manan, will be disturbed next month by a Halifax wrecking company which will try to save what remains of the valuable cargo.

Boston, Mar. 4.—A bill that anticipates the benefits the public would gain from control by the Boston Elevated of the street railways of the state, as provided in the proposed holding bill, without the necessity of such a monopoly, was supported before the street railways committee today by Joseph B. Eastman, secretary of the Public Franchise League.

WASHINGTON, D. C.

Washington, March 4.—One of the colossal fourteen-inch guns burst during the ordnance trials at Sandy Hook and the matter was hushed up, according to Representative Rainey of Illinois, who made a sensational attack upon the Bethlehem Steel Company and the government officials who have been favoring it with orders.

FOREIGN.

Madrid, March 4.—It is understood here today that Jose Caneljasy Mendes, the Spanish premier, intends to promulgate a decree dissolving the Cortes next Saturday, and that he will appeal to the country. The liberal elements are rallying to the support of the prime minister.

Manila, March 3.—The strike inaugurated yesterday by the crews of the inter-island steamers ended today when the men agreed to work for the present at their old wages, but with the understanding that certain demands would be agreed to later.

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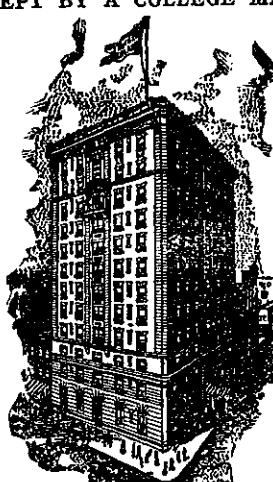
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PROF. RICHARDS SPEAKS

Professor Richards left the Institute Monday forenoon to attend the meeting of the American Institute of Mining Engineers held in Pittsburg, Pa. He read a paper there on Tuesday, and Wednesday morning left for Toronto where he will present the same paper to the Canadian Mining Institute. He will not return to Boston before the end of the week. His paper is rather comprehensive and includes a statement of extensive tests and his conclusions. These tests have been going on for a number of years and have settled several problems in ore dressing principles. Unfortunately Professor Richards was obliged to leave Pittsburg before Dr. MacLaurin arrived to attend the Alumni meeting held there on Wednesday evening.

The regular annual meeting of the Hare and Hounds Club will be held at 1 P. M. Monday, March 7th, at the Union. The chase captain and the assistant chase captain for the coming year will be elected.

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1893.—Shady Valley, Tenn., bloomery forge. North Carolina, Cranberry Iron Mine. Saltville, salt works, gypsum quarries. Ivanhoe, furnace and ore beds. Wythe, lead and zinc mines, lead furnace and shot works. Bertha Zinc Smelting Works. Iron Gap, iron. Low Moor, mines and furnaces. Quinnimont, iron, coal and coking ovens. Blacksburg, coal. Charleston, black band deposits. Kanawha Salt and Bromine Works. Movable dams of Kanawha River. Luray Cavern.

1894.—Nova Scotia. Joggins, coal. Parrsboro and Blomidon, mineral deposits. Spring Hill, coal. Acadia, iron mines, furnaces and rolling mill. Picton coal. Oldham, gold. Halifax, glacial exposures. Mt. Uniacke, gold. Winsor, plaster quarries. Margaretville, mineral locality.

1896.—New Jersey, Bethlehem and Steelton, Pa.

1888.—Capleton, Canada, six weeks; surveyed, laid tracks, drilled and blasted below ground, and sorted ore, assayed, made geological survey on surface.

1889.—Lehigh Valley, anthracite iron furnaces. Lebanon, Steelton, Baltimore, coke furnaces.

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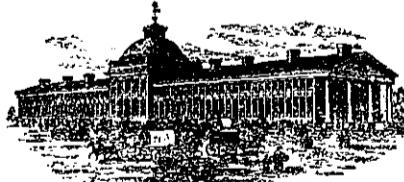
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SUMMER MINING SCHOOLS.
(Continued from page 3.)

1890.—Ishpeming, Mich., iron; mining and surveying.

1891.—Bergen Point, N. J. Lehigh Valley, anthracite furnaces. Pittsburgh, coke furnaces, iron and steel manufacture.

1892.—Drifton, Pa., anthracite mines, underground and surface operations, and surveying.

1893.—Chicago. The Exposition and smelting works for iron, copper, silver, and gold.

1894.—Nova Scotia. Gold mining and milling at Waverly. Coal mining and surveying around Sydney and Port Morden.

1895.—New Jersey and Pennsylvania. Metallurgical works at Jersey City and Newark. Iron and steel works at Lebanon, Steelton, Everett, and Johnstown, Pa. Coal and iron mines at Everett and Lebanon, Pa.

1896.—Northern Michigan and Minnesota. Iron mines of Menominee Gogebic and Mesabi Ranges.

1897.—New York and Ohio, coking, metallurgy of iron, steel and copper, also electrical and chemical processes. Syracuse, Buffalo, Niagara Falls and Cleveland.

1898.—Nova Scotia. Gold mining and milling at North Brookfield and Montague. Cape Blomidon, geology. Spring Hill and Joggins, coal mining. Iron and steel at New Glasgow.

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NOTICES

FRENCH COLLOQUIUM B.

Exercises in this subject will be held hereafter from 12 to 1 instead of from 11 to 12, on Thursday; otherwise as heretofore.

FRENCH III A.

The section in this subject will recite hereafter to Mr. Erhardt, in Room 29 Lowell. Otherwise as heretofore.

WIRELESS SOCIETY.

Meeting this afternoon at 4.00 o'clock in II Eng. B.

SENIOR PORTFOLIO.

The committee earnestly asks every fellow in 1910 to have his picture taken, return the proof, hand in his history slip and pay the first deposit of \$3.00 by March 15. This latter item will determine the number of books ordered.

DONALD V. WILLIAMSON, Treas.

1913 RELAY.

Fifteen of the following men will be picked to go to Lowell next Saturday night: Moreon, Trull, Thompson, Burnham, Mattson, Sampson, Bylund, Munch, Milliken, Brett, Bonney, Hamilton, McLeod, Fallon, Rankin and Cairns. Everybody out for practice.

WM. KATZENBERGER, Mgr.

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1912.—Ballots for Electoral Committee elections will be at the Cage Saturday, March 5th. Call and get yours.

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